



## Complete Summary

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### TITLE

Diagnosis and outpatient management of asthma: percentage of patients with asthma with education about asthma documented in the medical record.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and outpatient management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Mar. 49 p. [31 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients with asthma with education about asthma documented in the medical record.

### RATIONALE

The priority aim addressed by this measure is to promote the partnership of patients with asthma and/or their parents with health care professionals through education and the use of written action plans.

### PRIMARY CLINICAL COMPONENT

Asthma; patient (or parent) education

### DENOMINATOR DESCRIPTION

Total number of patients with asthma\* who were continuously enrolled for 6 months and whose medical records are reviewed

\*Patients with a diagnosis code of 493.00, 493.01, 493.10, 493.11, 493.90, or 493.91

## NUMERATOR DESCRIPTION

Number of patients in the denominator with documentation\* in the record of education about asthma

\*Documented is defined as any evidence in the medical record that a clinician provided patient (or parent) education related to:

- Basic facts about asthma
- Role of medications
- Skills (in managing asthma)
- Environmental control measures
- When and how to take actions
- Need for follow-up visits

## Evidence Supporting the Measure

### EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

### NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Diagnosis and outpatient management of asthma.](#)

## Evidence Supporting Need for the Measure

### NEED FOR THE MEASURE

Unspecified

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Internal quality improvement

## Application of Measure in its Current Use

### CARE SETTING

Physician Group Practices/Clinics

### PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

### LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

### TARGET POPULATION AGE

Age 5 through 55 years

### TARGET POPULATION GENDER

Either male or female

### STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

## Characteristics of the Primary Clinical Component

### INCIDENCE/PREVALENCE

Unspecified

### ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

### BURDEN OF ILLNESS

Unspecified

### UTILIZATION

Unspecified

### COSTS

Unspecified

## Institute of Medicine National Healthcare Quality Report Categories

### IOM CARE NEED

Living with Illness

### IOM DOMAIN

Effectiveness

Patient-centeredness

## Data Collection for the Measure

### CASE FINDING

Users of care only

### DESCRIPTION OF CASE FINDING

Patients age 5 through 55 years diagnosed with asthma continuously enrolled for 6 months

Data may be collected electronically using the claims/encounter database or the enrollment database. Medical groups should identify patients with asthma seen at the clinic. Each medical group can then generate a list of all eligible patients with asthma seen during the target month/quarter. The eligible patients are those who are 5 to 55 years old and have been diagnosed with asthma. A random sample of 20 charts can be chosen from this list. The patients' medical records will be reviewed for any evidence that a clinician provided patient education.

A minimum of 20 charts per month can be reviewed.

### DENOMINATOR SAMPLING FRAME

Patients associated with provider

### DENOMINATOR INCLUSIONS/EXCLUSIONS

#### Inclusions

Total number of patients with asthma\* who were continuously enrolled for 6 months and whose medical records are reviewed

\*Patients with a diagnosis code of 493.00, 493.01, 493.10, 493.11, 493.90, or 493.91

#### Exclusions

Unspecified

### DENOMINATOR (INDEX) EVENT

Clinical Condition  
Encounter

#### DENOMINATOR TIME WINDOW

Time window is a fixed period of time

#### NUMERATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Number of patients in the denominator with documentation\* in the record of education about asthma

\*Documented is defined as any evidence in the medical record that a clinician provided patient (or parent) education related to:

- Basic facts about asthma
- Role of medications
- Skills (in managing asthma)
- Environmental control measures
- When and how to take actions
- Need for follow-up visits

##### Exclusions

Unspecified

#### NUMERATOR TIME WINDOW

Episode of care

#### DATA SOURCE

Administrative data  
Medical record

#### LEVEL OF DETERMINATION OF QUALITY

Individual Case

#### PRE-EXISTING INSTRUMENT USED

Unspecified

### Computation of the Measure

#### SCORING

Rate

#### INTERPRETATION OF SCORE

Better quality is associated with a higher score

#### ALLOWANCE FOR PATIENT FACTORS

Unspecified

#### STANDARD OF COMPARISON

Internal time comparison

### Evaluation of Measure Properties

#### EXTENT OF MEASURE TESTING

Unspecified

### Identifying Information

#### ORIGINAL TITLE

Percentage of patients with asthma with education about asthma documented in the medical record.

#### MEASURE COLLECTION

[Diagnosis and Outpatient Management of Asthma Measures](#)

#### DEVELOPER

Institute for Clinical Systems Improvement

#### ADAPTATION

Measure was not adapted from another source.

#### RELEASE DATE

2005 Mar

#### MEASURE STATUS

This is the current release of the measure.

#### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and outpatient management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Mar. 49 p. [31 references]

## MEASURE AVAILABILITY

The individual measure, "Percentage of patients with asthma with education about asthma documented in the medical record," is published in "Health Care Guideline: Diagnosis and Outpatient Management of Asthma." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](http://www.icsi.org).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC STATUS

This NQMC summary was completed by ECRI on June 3, 2005.

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